



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/901,581	07/09/2001	Takahisa Doba	ICC-222 CIP	4798

31217 7590 02/15/2006

LOCTITE CORPORATION
1001 TROUT BROOK CROSSING
ROCKY HILL, CT 06067

EXAMINER

SELLERS, ROBERT E

ART UNIT	PAPER NUMBER
----------	--------------

1712

DATE MAILED: 02/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Advisory Action
Before the Filing of an Appeal Brief**

Application No.

09/901,581

Applicant(s)

DOBA, TAKAHISA

Examiner

Robert Sellers

Art Unit

1712

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 03 February 2006 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- a) ☒ The period for reply expires 4 months from the mailing date of the final rejection.
b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. ☒ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because
(a) ☒ They raise new issues that would require further consideration and/or search (see NOTE below);
(b) ☒ They raise the issue of new matter (see NOTE below);
(c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
(d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
5. ☐ Applicant's reply has overcome the following rejection(s): _____.
6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☐ For purposes of appeal, the proposed amendment(s): a) ☒ will not be entered, or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.
The status of the claim(s) is (or will be) as follows:
Claim(s) allowed: _____.
Claim(s) objected to: _____.
Claim(s) rejected: 1, 3-7 and 10-19.
Claim(s) withdrawn from consideration: 2, 8 and 9.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because:
See the attachment.
12. ☐ Note the attached Information Disclosure Statement(s). (PTO/SB/08 or PTO-1449) Paper No(s). _____.
13. ☒ Other: Form PTO-892, Notice of References Cited.

Robert Sellers
Primary Examiner
Art Unit: 1712

Art Unit: 1712

1. The amendment after Final rejection filed February 3, 2006 has been denied entry because independent claim 1 limited to a reaction product of the thermosetting resin composition raises new issues with respect to the capability of the prior art cured compositions to soften and lose its adhesiveness upon exposure to temperatures in excess of the curing temperature. Independent claim 15 remains denoted as an unreacted thermosetting resin composition.
2. The amendment to the specification, page 14, line 4 wherein Ancamine 2337 is more accurately described as a modified novolac epoxy resin has not been made since the amendment after Final rejection filed December 14, 2005 has been denied entry as set forth in the advisory action mailed December 22, 2005.
3. The last four lines of claim 1 requires the proviso "wherein when exposed to temperature conditions in excess of those used to cure the composition, the reaction product softens and lose its adhesiveness so as to permit easy separation of substrates bonded together therewith." The specification on page 21, lines 24-32 describes the procedure:

"By heating the area around the semiconductor device which has failed is heated at a temperature of about 190°C to about 260°C for a period of time ranging from about 10 seconds to about 1 minute . . .

As soon as the solder is melted and the resin is softened to cause a reduction in bond strength, the semiconductor device is pulled apart."

Art Unit: 1712

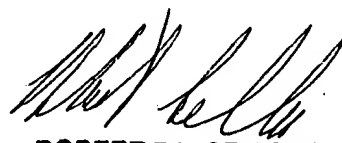
4. The specification does not support the exposure of the reaction product to a temperature generally in excess of the cure temperature. Only a specific range of from about 190°C to about 260°C is disclosed for a certain period of from about 10 seconds to about 1 minute. The reduction in bond strength does not substantiate the claimed loss in bond strength since a mere reduction embraces the retention of a certain minimal level of bond strength. The claimed "easy separation" of the bonded substrates is not supported by the disclosed semiconductor device being "pulled apart."

It cannot be ascertained what degree of strength is required to satisfy the word "easy."

5. The Information Disclosure Statement filed February 3, 2006 contains initialed copies of previously considered Forms PTO-1449 along with copies of the documents. PCT Publication No. WO 99/05196 has been previously cited in the Form PTO-892, Notice of References Cited mailed June 30, 2005. The attached Form PTO-892 acknowledges the consideration of the previously unconsidered references on the Forms PTO-1449. However, the Korean Patent No. 1998-42952 and the technical bulletins for KS M 0009 and Doosan World Encyclopedia are presented in Korean and cannot be reviewed until English translations are submitted. Tsukada Patent No. 5,355,580 is an equivalent of Japanese Patent No. 5-251516.

6. The arguments filed February 3, 2006 are a reiteration of those presented with the amendment after Final rejection filed December 14, 2005 and have been addressed in the advisory action mailed December 22, 2005.

(571) 272-1093 (Fax No. (571) 273-8300)
Monday to Friday, 9:30 to 6:00



ROBERT E.L. SELLERS
PRIMARY EXAMINER

rs 2/8/2006